

**NSSP 13-8. Use with 2022 Standard Specifications. Incorporate immediately.**

**Section 13-8.01. Use (1) for the Contractor to obtain special orders or permits for operating a temporary ATS or (2) for a project in the Lake Tahoe Hydrologic Unit that may discharge into surface waters.**

**1. Insert the required orders, permits, etc. Edit as necessary to suit the project conditions.**

**Replace the 2nd sentence of the 2nd paragraph of section 13-8.01A with:**

Obtain a \_\_\_\_, \_\_\_\_, and \_\_\_\_ if uncontaminated groundwater, stormwater, or both are discharged to a publicly owned treatment works.

**Replace the list in the 1st paragraph in section 13-8.01C(2):**

1. Title sheet.
2. Table of contents.
3. Certification and approval sheet described in the Department's *Stormwater Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) Preparation Manual.*
4. Amendment log and format described in the Department's *Stormwater Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) Preparation Manual.*
5. Description and schedule of the discharge activities.
6. Discharge alternatives, including:
  - 6.1. Reuse of treated water for job site activities, such as dust control, irrigation, fill compaction, or concrete batch plant activities
  - 6.2. Percolation
  - 6.3. Discharge into storm sewers
  - 6.4. Discharge into surface waters
  - 6.5. Bypass process for 2022 CGP project
  - 6.6. Auto shutoff or recirculation process for 2022 CGP project
7. Treatment system description and components.
8. Anticipated flow rates.
9. Operation and maintenance manual for the equipment.
10. Monitoring, sampling, and reporting plan, including QA and QC.
11. Health and safety plan.
12. Spill prevention plan.
13. Field-recorded data, visual inspection, calibration procedures, and examples of logs.
14. Descriptions of measuring equipment.
15. Shop drawings showing:
  - 15.1. Section and plan views of stormwater effluent treatment systems
  - 15.2. Location of sampling points for water quality measurements
  - 15.3. Flow path and placement of pipes, hoses, pumps, holding tanks, and other equipment used to convey water
  - 15.4. General position of treatment components relative to excavations or other areas requiring dewatering
  - 15.5. Point of stormwater discharge
  - 15.6. Watershed area treated in acres for 2022 CGP project
16. Daily inspection report form.
17. Municipal batch discharge permit from a publicly owned treatment works if required.
18. Coagulant-handling work plan if you use chemical coagulants, in-line flocculants, or both in the treatment system. The coagulant-handling work plan must include:

- 18.1. Description of WPC practices to prevent accidental spillage, overfeeding into the treatment system, or other mishandling of coagulant agents
- 18.2. Monitoring plan for all coagulants, flocculants, or both
- 18.3. Description of the coagulation and flocculating agents, including chemical and trade names
- 18.4. Determination of acute or chronic toxicity for aquatic organisms conforming to EPA methods for the agents
- 18.5. Monitoring plan to detect a residual agent at concentrations at or below the established acute toxicity levels for freshwater and marine conditions for that agent
- 18.6. Six site-specific jar test results for each treatment chemical with one test serving as a control, demonstrating the proper treatment chemical and dosage levels for the ATS to meet NELs. Jar test water samples should be representative of typical site conditions and under ASTM D2035.
- 19. QA/QC Plan, to include:
  - 19.1. Instrumentation under manufacturer's instructions
  - 19.2. Calibration procedures and frequencies
  - 19.3. Instrument method detection limit or sensitivity verification
  - 19.4. Laboratory duplicate procedures.
- 20. Contact information of all personnel responsible for monitoring and maintaining the ATS.
- 21. Treatment capacity
- 22. Failure plan with procedural details on when and how to shut the system down and who to contact

**Replace section 13-8.01C(3) with:**

If the ATS discharges treated effluent, submit a daily inspection report within 24 hours. The daily inspection report must include:

- 1. Discharge volumes
- 2. Water quality monitoring records
- 3. Discharge point information that includes:
  - 3.1. Date and time
  - 3.2. Weather conditions, including wind direction and velocity
  - 3.3. Presence or absence of water fowl or aquatic wildlife
  - 3.4. Color and clarity of the effluent discharge
  - 3.5. Erosion or ponding downstream of the discharge point
  - 3.6. Photographs labeled with the time, date, and location
- 4. Status of instrumentation for 2022 CGP project
- 5. Status of filter loading for 2022 CGP project

Retain each completed inspection report at the job site.

**Replace the 1st paragraph of section 13-8.01C(5) with:**

If a NEL is exceeded, notify the Engineer and submit a violation report within 6 hours. The report must include:

- 1. Field sampling results and inspections, including:
  - 1.1. Parameters, analytical methods, reporting units, and detection limits
  - 1.2. Date, location, time of sampling, visual observations, and measurements
  - 1.3. Quantity of precipitation of the storm event
- 2. An assessment of what caused the NEL exceedance
- 3. Description of WPC practices and corrective actions taken to manage NEL exceedance

**2. Use for a project requiring a SWPPP in the Lake Tahoe Hydrologic Unit subject to the Tahoe NPDES General Permit (1) if a bid item for a temporary ATS is used and (2) there is a potential for a discharge into surface waters.**

**Replace section 13-8.01C(6) with:**

**13-8.01C(6) Quality Control Plan**

Submit a QC plan within 20 days of Contract approval. The plan must include:

1. Calibration methods and frequencies for all system and field instruments
2. Method detection limits for each residual coagulant measurement method and acceptable minimum limits for each method specific to individual coagulants
3. Requirements for monthly laboratory duplicates for residual coagulant analysis

**Replace the 1st paragraph of section 13-8.01D(2) with:**

The design, installation, operation, and monitoring of the temporary ATS and monitoring of the treated effluent must comply with Attachment F of the 2009 or 2022 CGP.

**Replace the introductory clause of the 3rd paragraph list of section 13-8.01D(2) with:**

Perform toxicity testing that complies with the following if operating a temporary ATS in batch-treatment mode:

**Add before the 1st paragraph of section 13-8.01D(3):**

Assign a lead ATS person to oversee ATS operations for 2022 CGP project. The ATS person must have a minimum of 5 years construction stormwater experience overseeing ATS operations or hold a Wastewater Operator or Drinking Water Operator Certificate from the SWRCB.

**Replace the 3rd paragraph of section 13-8.01D(5) with:**

The residual chemical for the coagulant must be less than 10 percent of the maximum allowable threshold concentration for the most sensitive species utilizing the EPA approved test method for the specific pollutant parameter.

**Add to end of section 13-8.02A:**

For 2022 CGP project, runoff in excess of the design storm used to size the ATS may be bypassed if discharges are in compliance with NALs, NELs and receiving water limitations specified in Section 13-3.01D(3).

**Add to end of the list in section 13-8.02B:**

3. Remove treatment chemicals and settled flocculant before discharge.
4. Remove, dispose of, or recirculate all backwash water.

**Add to end of the list in section 13-8.03B(1):**

5. Total volume
6. Freeboard on storage
7. Dose rates of chemical used, expressed in mg/L, 15 minutes after startup and every 8 hours of operation
8. Monthly laboratory duplicates for residual chemical or additive level